

2005 Proposed Capital Improvement Projects (CIP) Budget Overview

The 2005 Proposed Budget for the Capital Improvements Project (CIP) derived from all sources is \$192,873,754, a decrease of \$11,554,377, -5.7% from the \$204,428,131 provided in the 2004 Budget. Sources include city funds, e.g., tax levy, general obligation debt, and special assessments; Grant and Aid funding, i.e., funding from state and federal sources; and enterprise funds, i.e., and funds generated from revenues resulting from a specific activity and devoted to that activity..

2005 PROPOSED BUDGET CAPITAL IMPROVEMENT FUNDS SUMMARY OF DEPARTMENTAL APPROPRIATIONS

City Departments – City Funded

Departments	2004 Budget	2005 Proposed	% Change
Special Projects	\$10,325,000	\$10,325,000	0.0%
Dept. of Admin.	630,000	0	-100.0%
Dept. of City Dev.	23,950,000	26,650,000	11.3%
City Treasurer	0	232,160	0.0%
Fire Dept.	5,840,000	5,060,000	-13.4%
Health Dept.	1,240,000	1,028,500	-17.1%
Library	2,000,000	1,700,000	-15.0%
Municipal Court	250,000	0	-100.0%
Police Dept.	6,510,000	2,400,000	-63.1%
Port	650,000	725,000	11.5%
Dept. of Public Works	58,254,250	46,961,261	-19.4%
City Funded Subtotal	\$109,649,250	\$95,081,921	-13.3%

Grant And Aid Funding

Departments	2004 Budget	2005 Proposed	% Change
Fire Dept.	\$0	\$1,000,000	0.0%
Police Dept.	\$0	2,065,000	0.0%
Port	\$1,150,000	0	0.0%
Public Works	48,202,981	52,026,833	7.9%
Grant & Aid Subtotal	\$49,352,981	55,091,833	11.6%

Enterprise Funds

Departments	2004 Budget	2005 Proposed	% Change
Parking	\$1,305,900	\$1,200,000	-8.0%
Water	22,620,000	18,790,000	-16.9%
Sewer Maintenance	21,500,000	22,580,000	5.0%
Enterprise Subtotal	\$45,425,900	42,700,000	-6.0%

TOT. CAPITAL PLAN	\$204,428,131	\$192,873,754	-5.7%
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This report provides brief descriptions of the capital improvement projects in the 2005 Proposed Budget. Detailed analyses of these projects are listed in the LRB-Fiscal Review Section's budget reports on specific city departments. *Only capital projects proposed for 2005 are included.*

SPECIAL PROJECTS - \$10,325,000

Grant and Aid - \$10,300,000 - The Grant and Aid Fund provides budget authority for unanticipated grants that the City receives.

Municipal Art Fund - \$25,000 - The Municipal Art Fund provides a way to encourage an appreciation of the visual arts and development of artists and craftsmen by placing works of art in city facilities. This fund is governed by Section 304-27 of the Milwaukee Code which states that a portion of capital expenditures, not to exceed 1% of the total cost of any such construction project as estimated in the capital budget, be set aside for the acquisition of works of art to be used for city buildings and public facilities. The Milwaukee Arts Board determines the allocation of funds.

CITY TREASURER'S OFFICE - \$232,160

Cashier System Upgrade \$232,160 - The 2005 Proposed Budget provides \$232,160 to upgrade the City Treasurer's cashier system. The department has indicated that the current, aged cashier system hardware cannot accommodate additional software upgrades. Microsoft has discontinued support for Windows NT, the operating system used by the cashier system. Also, both the Oracle database software and the Cashier for Windows software are several generations old, and technical support for these software packages, while still available, is becoming more difficult to obtain.

DEPARTMENT OF CITY DEVELOPMENT - \$26,650,000

Advance Planning – \$150,000 - This program is "front end" money for conducting outside, preliminary planning studies and research into land use, marketing, development and redevelopment proposals, and other issues related to the physical and economic development of the City.

Neighborhood Commercial District Street Improvement Fund \$500,000 – Funds commercial district streetscape projects throughout the city.

Tax Increment Financed Urban Projects— \$23,500,000 - This project includes \$23,500,000 to fund Tax Incremental Districts (TIDs) using two primary capital improvement budgets; TID new borrowing at \$20 million and TID Developer Revenues at \$3.5 million. The funding is a means to provide capital financing for redevelopment projects, street improvements, public facilities and other related project costs to eliminate blight and to encourage neighborhood and economic growth in order to increase the City's tax base.

Development Funds \$2,000,000 - This program includes \$2 million to fund projects that are too small to warrant the creation of a tax incremental financing district (TID). Funds may also be used when a TID is not the most effective approach to a development project or when the creation of a TID prevents the City from responding in a timely fashion.

Business Improvement Districts (BID) \$500,000 - This project includes \$500,000 for special assessment districts created by the Common Council under sec. 66.1109, Wis. Stats. A BID is allowed to borrow the costs of the project through the City and repay the principal and interest to the City over time. This program facilitates reinvestment by property owners in the City's business areas.

MILWAUKEE FIRE DEPARTMENT - \$5,060,000

Ventilation System and Window Replacement \$100,000 – This is an ongoing capital improvement project to update ventilation systems and replace windows at all 36 fire stations. The 2005 Proposed Budget provides \$100,000 in new borrowing for the projects.

Engine Company #2 Alterations, \$190,000 - This proposes advancing a slab repair project, originally planned for 2008 at an estimated cost of \$190,000 according to Fire Department response. However, there exists the possibility that the slab deterioration may worsen well prior to 2008. The \$190,000 new borrowing funding will provide for slab (\$145,000) and chiller (\$45,000) repairs. DPW-Infrastructure created a file on this repair work, including sketches, plans, photos and cost estimates.

Fire Digital Radio System \$500,000 - The funding will be used to match a \$1 million UASSI grant to provide partial funding for portions of the City's radio infrastructure upgrade.

Major Capital Equipment \$4,270,000 – The funding is for major capital equipment, such as ambulances, pumper, aerial and tower ladders, which are budgeted as capital projects.

MILWAUKEE HEALTH DEPARTMENT - \$1,028,500

Mechanical Maintenance Projects \$378,500 - This amount is proposed to remove and replace the boilers at Coggs and Johnston Health Centers, provide a new hot water heater at Johnston and to provide funding for various elevator and miscellaneous projects.

Exterior Building Maintenance Projects \$300,000 - This funding is proposed for exterior projects including parking lot repair at Northwest Health Center, new concrete steps at Northwest, new overhead garage doors at Northwest, new front stairs at Southside Health Center and general tuckpointing and ADA improvements.

Interior Building Maintenance \$350,000 - This money is proposed for general interior painting, upgrading the fire alarm system at Coggs, electrical upgrades at Keenan, new interior light fixtures at Northwest and various ADA improvements.

MILWAUKEE PUBLIC LIBRARY - \$1,700,000

Central Library Improvements Fund \$540,000 - This project includes funding for mechanical upgrades of electrical transformers and electrical substations, repairs to the mosaic tile and scagliola in the rotunda and exterior repairs and replacement in painting, windows, floor and the façade and interior repair.

Neighborhood Library Improvements Fund \$1,160,000 - The funding in this project, \$1,160,000 will make the following improvements at Neighborhood Library Branches, for exterior repairs at Zablocki, complete HVAC and interior repair at Bay View, and necessary improvements at other library branches.

MILWAUKEE POLICE DEPARTMENT - \$2,400,000

Trunked Radio System \$2,000,000 - This funding represents a portion needed for the FCC-mandated transmission standards becoming effective in 2005. This \$2 million will provide funding for the balance of the purchase of portable radios compatible with digital technology and the new radio frequencies.

Police Administration Building \$350,000 - This funding will continue remodeling efforts at the Police Administration Building. This money is a considerable reduction from the \$2.630 million requested. These funds will be applied to the 6th floor renovation and ventilation needs.

District #6 Repairs \$50,000 - The 2005 proposed budget provides \$50,000 for District Six repairs. Funding was requested for the purpose of conducting and engineering study to help refine the cost estimates of this 20-year old building.

PORT OF MILWAUKEE - \$725,000

Secured Ferry Terminal Parking Facilities \$200,000 – The \$200,000 will fund regulated security measures for parking facilities associated with the ferry terminal. Security plans include lights, fence, cameras and other security measures as required.

Cargo Handling Equipment \$50,000 – The Port is report is responsible for maintaining a minimum of cargo handling equipment to provide uninterrupted service to customers. The funding will purchase a skidster for grounds maintenance, snowplowing, railroad maintenance with attachments.

Dockwall Rehabilitation \$50,000 - This project includes \$50,000 to maintain a dock wall system that serves the leased tenants. The on-going rehabilitation prevents costly emergency repairs and maintain the dockwall in an appropriate condition in the distribution of cargo operations.

Analyze & Upgrade Sewer System \$150,000 – Funds the study of 10 miles of sewer system that serves the Port area for maintenance. The study can determine the system has reduced capacity due to corrosive loading, and indicate the steps necessary to meet state and federal regulation.

Confined Disposal Facility Rehabilitation \$175,000 – Through an agreement with the Army Corp of Engineers, the facility used for harbor dredging has been returned to the City for long-term operation and maintenance. The agreement includes the rehabilitation and improvements that requires a covering cap.

Port Security - \$100,000 - The Port, working with the U.S. Coast Guard, is developing and implementing port security plans necessary to provide mandated security regulations. The funding is for additional lighting, gating, fencing and security personnel.

DEPARTMENT OF PUBLIC WORKS - \$46,961,261

DPW –Administrative Services Division - \$625,000

Public Safety Communications \$625,000 - The 2005 Public Safety Communications Program continues to provide connectivity to public safety sites. Major projects in 2005 are designed to increase system redundancy and to provide diverse routes to critical public safety locations. The funding for communications include the projects involving the Marquette Interchange copper and fiber relocation, copper and fiber cabling for the relocated DPW operations at the Tower Automotive site, fiber path diversity from MPD District 3 and MPD District 6, MPD District 2 to Port of Milwaukee, diverse route from MFD Engine 4 to MPD District 3, MFD Engine 3 to MPD offices at Summerfest, MFD Engine 5 to Municipal Building diverse path.

DPW – Infrastructure Services Division - \$20,962,463

Sewer Construction \$3,494,000 - Expansion of Capacity Sewer Program, \$3,194,000, extends sewer services to those areas of the City that do not currently have sewer service or enlarges the capacity of existing sewers. Sewer Construction also provides for developer refunds for projects where the amount of the developer's deposit exceeded the developer's share of the cost, i.e., Sewer-Out of Program Developer Financed, \$300,000.

Major Bridge Construction \$1,686,956 - The Major Bridge Program assures a level of expenditures for bridge improvements that are consistent with the ability to finance improvements necessary to preserve the City's bridges system. This does not include \$9.5 million in Grant & Aid, \$756,000 in sub-accounts close-out, \$336,870 in TID.

Paving Program \$9,316,507 - This provides funding for replacement, repair, or improvements to streets reconstruction/resurfacing, alleys reconstruction/resurfacing and federal funding. The program comprises the following projects.

PROJECT	PROPOSED BUDGET
Street Reconstruction (State/Federal Funded)	\$1,438,807
Street Reconstruction (Regular City Funded)	\$6,152,700
Alley Reconstruction	\$1,325,000
New Street Construction – Developer Financed	\$400,000
Total	\$9,316,507

Sidewalk Improvements Replacement \$925,000 - Sidewalk replacement by contract is an existing program for the replacement of defective sidewalks throughout the City. This program also includes funding for the installation of handicapped ramps where needed.

Street Lighting \$3,540,000 - This program provides funding for the replacement of deteriorated light poles, defective underground cable, removal and replacement of overhead lighting, and replacement of outdated underground series circuits.

Traffic Controls Facilities \$800,000 - This program provides for the installation of new traffic lights and signs and the modification of existing traffic control facilities for the City of Milwaukee. These facilities include traffic signals, signal systems, traffic signs, and other related traffic control facilities.

Underground Conduit & Manhole Reconstruction \$200,000 - This program provides for the reconstruction of existing manholes located in street right-of-way that provide the necessary entrance networks for all of the communications, traffic control, and street lighting cable circuits that serve the City of Milwaukee's governmental buildings and agencies.

Underground Electrical Manhole Reconstruction \$1,000,000 - This program provides for the installation of permanent underground electrical conduits and manhole systems that provide secure weatherproof public safety cable circuit networks for various city agencies (DCD, DPW, Fire, Health, Police, etc.). Conduit installations are coordinated with street paving projects so cost savings can be realized over installations on non-paving projects.

DPW – OPERATIONS DIVISION - \$25,173,798

Forestry Section \$1,281,000

Concealed Irrigation and General Landscaping/City Boulevards \$631,000 - The 2005 Proposed Budget allocates \$631,000 for repair of concealed irrigations systems and drainage systems in City boulevards, and for replacement of these systems necessitated by street paving projects. The 2004 Budget provided \$196,500 cash-levy funding for this item, plus \$381,000 in carryover borrowing authority. The increase for 2005 is attributable to the number of large street paving projects scheduled for next year.

Tree Planting Program \$650,000 - The 2005 Proposed Budget provides \$650,000 for the Forestry Section's planting program, a \$50,000 increase from the 2004 funding level. This program funds the planting of street trees and other plant materials in conjunction with the construction of new streets or the reconstruction of existing streets or sidewalks. It also funds the planting of replacements for dead, diseased or damaged trees. For 2005, the Forestry Section plans to plant 390 trees in conjunction with street paving projects, 40 in conjunction with sidewalk replacement projects and 3,850 as replacement trees, for a total of 4,290 trees.

Sanitation Section \$200,000

Sanitation Headquarter Modifications \$200,000 – The proposed funding is to study the feasibility of combining various Sanitation and Forestry headquarters on the south side. The division indicates a common staging area for Forestry and Sanitation operations provides efficiencies and cost effectiveness to its operations.

BUILDINGS AND FLEET - \$23,892,798

Downtown Complex Remodeling \$367,800 - This program funds interior remodeling and upgrades for various city agencies. This includes functional changes to meeting State energy codes and building codes, including lighting upgrades and HVAC improvements.

Space Planning-Facilities \$50,000 - This program provides funds for architectural and engineering services related to office space studies including planning and cost estimates for proposed projects. No funds were allocated in 2004. In 2005, \$10,000 is designated for facilities condition inspections. The \$40,000 in funding is designated for general departmental re-organizational alternations incorporated in the annual budget.

Recreation Facilities Program \$439,725 - Improvements in this program include maintenance and renovations in neighborhood recreation facilities, children's play areas and stand-alone recreation sites.

Facility Systems Program \$4,273,273 - This program funds deferred equipment and systems replacement, upgrading mechanical systems, boiler replacement, and various fire and safety improvements. A variety of projects include air handling units, elevator motors and controls, and various electrical and mechanical upgrades.

Environmental Remediation Program \$700,000 - This program seeks to provide a safe environment in city-owned buildings through removal of hazardous building materials including asbestos and lead abatement as well as soil and groundwater remediation.

ADA Compliance Program \$422,000 - This program seeks to assure compliance with the federal Americans with Disabilities Act. Improvements include increased access to restrooms, offices, telephone and drinking fountains in city-owned buildings. The 2005 projects include areas in the 6th and 7th Floor of City Hall, the 809 and Municipal Building.

Facility Exterior Upgrades \$750,000 - This program helps to maintain the exterior for city facilities in a watertight and energy efficient condition. Yard and parking lot improvements are included.

City Hall Restoration Program \$8,200,000 - This program was introduced in the 2003 budget in order to address the structural needs and historical integrity of city hall. This funding will be used to secure a full exterior restoration contract. Work schedule for 2005 will include the scaffolding, demolition and partial restoration of City Hall's south tower. This project is estimated at \$44 million over four years.

Municipal Garages and Outlying Facilities \$2,000,000 - The 2005 proposed budget includes these funds for the purpose of conducting the continuing improvements of the Central and Lincoln Avenue Garages. The emphases of this program is to address the replacement of major operational systems including hydraulic lifts, material handling equipment and pneumatic systems that do not comply with current safety codes.

2-Way Radio Replacement \$170,000 - This program will provide funding to design a two-way radio communication system to utilize the Milwaukee Police Department's new digital radio infrastructure and to systematically replace obsolete radio equipment. The system, when fully implemented, will improve dispatch of all vehicles, help optimize ice and snow operations while providing the capability to connect city and surrounding agencies to respond to major emergencies.

Major Capital Equipment \$6,520,000 - This program is specified for equipment that exceeds \$50,000 and has a life expectancy of 10 years. This money is proposed to focus upon equipment replacement funding including garbage and recycling collection, snow and ice control and dump trucks for use as pool equipment.

GRANT AND AID FUNDING - \$55,091,833

Milwaukee Fire Department \$1,000,000 – The department anticipates receiving a \$1 million UASI grant matched with \$500,000 city funding, for radio digital trunking system.

Police Department \$2,065,000 – The department anticipates receiving \$2,065,000 in grant funding for the trunked radio communications that will be used city wide.

Public Works \$52,026,833 – The department anticipates receiving \$6,840,000 in the expansion of sewer capacity; \$9,556,174 in funding for bridge program; and \$35,630,659 in state and federally aided projects related to street and bridge reconstruction.

DPW – PARKING FUND - \$1,200,000

Deferred Structural Maintenance \$125,000 - The 2001 Budget provided funds for a structural and mechanical systems condition assessment of the five city-owned parking structures. The assessments provide the basis for a comprehensive long-term capital maintenance, repair and renovation plan for the parking structures. The report indicated a significant amount of deferred structural repair work is required at each facility. This annual capital funding is to address necessary structural repairs of a non-emergency nature, that when left uncorrected, could lead to structural deterioration.

Deferred Mechanical Maintenance \$125,000 - The mechanical needs assessment identified a significant amount of deferred facility, mechanical and electrical work at all of the structures. A total of \$125,000 is provided in 2005 Proposed Budget to correct the deficiencies. This capital project is annual, on going and represents an attempt to proactively manage structure maintenance. Funding is still provided within the Fund's operating budget to meet small emergency repair needs. Grouping smaller planned repair and renovation projects into a single project allows the Fund to adjust priorities and individual project scopes during a budget year. This funding allows the Fund to be able to explore bidding similar work across structures to attract lower prices for what would otherwise be small projects.

MacArthur Square Parking Structure Renovation \$420,000 – In this project, 2005 is the first year of a 3-year capital project to remembrane the parking levels at MacArthur Square Parking Structure. Remembraning prevents chlorides from seeping into the concrete and causing structural damage.

Milwaukee/ Michigan Structure Renovation \$335,000 - The funding is for the replacement of the membrane in levels 1-4 of the Milwaukee/ Michigan Structure. The membrane has exceeded its useful life and new application is necessary to retard concrete spalling and rebar deterioration.

1000 N Water Parking Structure Repairs \$195,000 - The project will remove the existing expansion joints and replace them with new ones. The existing joints are leaking. In the winter, these leaks are causing salt to collect on the slab below. The concrete header for the expansion joint is also spalling which creates leaks and is a potential tripping hazard. Failure to replace the expansion joints will result in accelerated degradation of the adjacent structural elements and more costly future repairs.

DPW - WATER - \$18,790,000

Distribution Water Main Project \$13,200,000 - This program includes \$13,200,000 to replace defective water main sections that have a history of failure. The program is estimated to reduce the dilapidation of the water main infrastructure. This authority represents non-assessable projects. Budgeting for assessable distribution water main capital projects in this line was discontinued in 2004.

Non-Assessable Feeder Main Program \$1,000,000 - In 2005, this proposed program uses \$1,000,000 to replace deficient feeder mains. It is anticipated that funding requests for this ongoing capital project will increase in \$20,000 increments annually.

Developer Out-of-Program Agreement \$600,000 - Funding is based on anticipated developer needs that provide the cost for installing new water mains in new developments in accordance with the Milwaukee Code of Ordinances.

Linnwood Plant Building Improvement – Control Center and Security Upgrades \$700,000 - This budget line provides for \$500,000 Control Center project and a \$200,000 Security Upgrade project for the Linnwood Plant. The Control Center project involves installing preliminary monitoring equipment and systems before implementing the new SCADA (Supervisory Control And Data Acquisition) plant automation system. The security upgrades are mandated by the Department of Homeland Security.

Linnwood Plant Treatment Improvement – SCADA and Flocculator Systems Upgrades \$1,000,000 - The \$1 million proposed budget authority would provide \$600,000 for the SCADA upgrades and \$400,000 for multi-year flocculator system upgrades. The SCADA project entails upgrading computer software and the Flocculator Systems project involves replacing mechanical Flocculator (oar-shaped equipment) bearings and shafts.

Howard Plant Building Improvement – Control Center Upgrades \$500,000 - The Control Center project involves installing preliminary monitoring equipment and systems before implementing the new SCADA (Supervisory Control And Data Acquisition) plant automation system.

Howard Plant Treatment Improvement–SCADA and Chemical Mixing System Upgrades \$600,000 - This budget line provides for a \$400,000 SCADA upgrade and a \$200,000 Chemical Mixing Systems upgrades. The SCADA upgrade involves replacing computer software, and the Chemical Mixing Systems project involves replacing the chemical induction system with a mechanical propeller mixer and chemical drip feed system.

Pump Facilities Improvement Upgrades – Security and Switchgear Substation Upgrades \$850,000 - This budget line provides for a \$150,000 Security upgrade for the Riverside pumping stations and \$700,000 to replace and relocate an aging switchgear substation building at the Florist Avenue pumping station.

Storage Facilities Improvements – Security Upgrades \$200,000 - The project provides for updating security at booster stations.

Meter Shop Repair – Various Replacements \$140,000 - This budget line provides for a \$100,000 to build 3 bulk-fill sites and a \$40,000 replace and relocate an aging switchgear substation building at the Florist Avenue pumping station. Bulk carriers such as landscape construction and swimming pool agents would fill up at these metered sites, eliminating the need to obtain hydrant permits. Smaller consumers, such as neighborhood gardening groups and emergency hookups would not be affected.

DPW - SEWER MAINTENANCE FUND - \$22,580,000

Sewer Maintenance Program \$22,580,000 - The funding of \$22,580,000 is for the replacement or repair of existing segments of the sewer system, sewer cleaning, structure cleaning and repair, main repair, booster pump operation and maintenance, engineering and design, administration and street sweeping. Financed by new borrowing. The activities in replacement and repair prevent or reduce the frequency of backup into buildings and onto streets.

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